

Cowee Creek Tributary Addition

Stream: Cowee Creek, Stream No. 115-20-10620 Tributary Addition

Watershed: Berners Bay – Frontal Lynn Canal

USGS Quadrangle: Juneau C-3

MTRS: Section: 13, 24 Township: 37 S Range: 63 E

Date Surveyed: Oct 3, 11, 2012

Findings: This large network of beaver ponds and channels supports rearing juvenile coho, cutthroat trout, threespine stickleback, and Dolly Varden char. The numerous beaver dams do not appear to function as barriers to fish passage as we found coho salmon fry above many dams.

Recommendations: We recommend adding this stream course to the AWC as a tributary addition to Cowee Creek, Stream No. 115-20-10620.

Nomination form submitted: Yes

Nomination Status:

Notes:

Table 1. Survey notes from Oct 3 & 11, 2012

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Result
55	58.653318	-134.939475	Set 2 Steel and 2 collapsible minnow traps in tributary to Beaver pond complex at 11:20 AM - Time out 15:30	4 Minnow Traps	10 DV - 70-100 mm, 21 CT - 65-135 mm, 16 CO - 60-120 mm
56	58.654911	-134.941018	Set 2 Steel and 1 collapsible minnow traps around bridge at 11:40 AM - Time Out at 15:00	3 Minnow Traps	12 CO - 65-130 mm, 1 CT - 128 mm, 4 DV - 115-190 mm
57	58.655952	-134.941719	Setting two steel minnow traps and two collapsible at 11:50 AM- Time Out 14:45.	4 Minnow Traps	1 CT - 265 mm, 3 CO - 110-118 mm, 3 DV - 110-190 mm
58	58.658975	-134.942356	Small Stream crosses trail - setting one steel minnow trap at 12:15 PM - Time Out: 14:30	1 Minnow Trap	14 CT - 60-85 mm, 3 CO - 60-100
59	58.660593	-134.943783	Small feeder stream into larger beaver complex - Set 1 collapsible minnow trap at 12:20 -	1 Minnow Trap	1 CO - 117 mm
60	58.661177	-134.944181	Setting a minnow trap at 12:35 in intermediate beaver dam below main complex - several fish visible	1 Minnow Trap	No Fish
61	58.660458	-134.942046	Setting one collapsible minnow trap along edge of large Beaver Pond below lodge.	1 Minnow Trap	No Fish
62	58.660726	-134.940997	Nicole found a Coho - approximately 70 mm, in grass on top of beaver dam	Fish in Hand	1 Coho - 70 mm

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Result
63	58.653384	-134.939446	Bridge across flooded tributary - first crossing heading down. Working our way upstream and shocking		
64	58.652985	-134.939344	Captured 1 CT - 65 mm - E-fisher settings - 375 volts, 30 Hz, 15% Duty Cycle	Electrofischer	1 CT - 65 mm
65	58.652948	-134.939244	Captured 2 CT - 60-80 mm	Electrofischer	2 CT - 60-80 mm

66	58.652913	-134.939117	Captured 1 CT - 75 mm, 1 DV - 150 mm	Electrofisher	1 CT - 75 mm, 1 DV - 150 mm
67	58.652845	-134.939071	Captured 1 CT - 60 mm - heading back to bridge - no barriers, but coho not found yet so heading to next trib	Electrofisher	1 CT - 60 mm
68	58.653981	-134.93946	Beaver Dam ~ 3 ft tall - continuing down		
69	58.654979	-134.938556	Trib forks - walking down River Right branch		
70	58.654779	-134.94137	2 CT E- fished, 65-95 mm	Electrofisher	2 CT - 65-95 mm
71	58.65506	-134.941807	3 CT - 70-130 mm - heading down, no barriers but no coho found yet	Electrofisher	3 CT - 70-130 mm
72	58.654442	-134.939356	meets up with other tributary - back to trail		
73	58.659225	-134.942426	at small tributary leading into beaver ponds - shocking up		
74	58.659256	-134.942547	1 Coho - 40 mm, 2 CT - 60-80 mm	Electrofisher	1 Coho - 40 mm, 2 CT - 60-80 mm
75	58.65927	-134.942728	2 CT - 75 - 85 mm E-fished	Electrofisher	2 CT - 75-85 mm
76	58.659269	-134.942768	1 CT - 35 mm, no barriers, but going down to connect dots downstream.	Electrofisher	1 CT - 35 mm
77	58.659223	-134.941274	Connected trib with main beaver pond		
78	58.659221	-134.941276	Pocket		
79	58.660493	-134.943681	Heading up small trib leading into beaver complex		
80	58.661767	-134.944502	Handnetted 6 Coho - 60-90 mm in small isolated pool, in dry river bed. Many more present - will likely dry if no rain comes soon.	Handnet	6 Coho - 60-90 mm
81	58.66133	-134.943822	Intermediate dam that blocks water from dry channel with coho in it - walking edge		
82	58.657219	-134.941094	edge of beaver pond habitat		
Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Result
19	58.6604761	-134.9432649	Start Tracks - Beginning of standing water		
20	58.66006882	-134.9431093	Crosses trail, finger of pond extends about 35 feet up past here. We will return to large pond		
21	58.66045221	-134.9420667	Stream originates from under dam, looks muddy and worked upon		
22	58.66073149	-134.9409421	End of beaver dam, downstream is old cowee creek bed maybe		
23	58.66059747	-134.940527	this corner doesn't look like great habitat. Edge of wetted area left edge to wander		
24	58.65914178	-134.9397148	returned to edge (~perpendicular) gets very soggy, floating mat		
25	58.6591142	-134.9402047	Edge of pond (Brian hiked out and took wpt) Will return to solid ground, continue south.		
26	58.6599617	-134.9419084	Unrelated: Launch site for traps		
27	58.66035598	-134.9420276	Trap 1 13:15-15:15	1 Hoop Trap	5 Cutthroat - 200-320 mm, 20 Coho - 90-120 mm, 3 DV - 70-200 mm
28	58.65938343	-134.9404863	Trap 2 13:30-15:30	1 Hoop Trap	5 Cutthroat - 200-350 mm, 3 Cutthroat - 150-200 mm, 9 DV - 120 - 200 mm, 15 Coho - 100-120 mm
29	58.65791484	-134.9408904	Trap 3 13:45-14:15	1 Hoop Trap	5 Cutthroat - 200-350 mm, 6 Cutthroat - 100-200 mm, 3 Cutthroat - 60-100 mm, 37 Coho - 90-120 mm, 8 DV - 120-160 mm

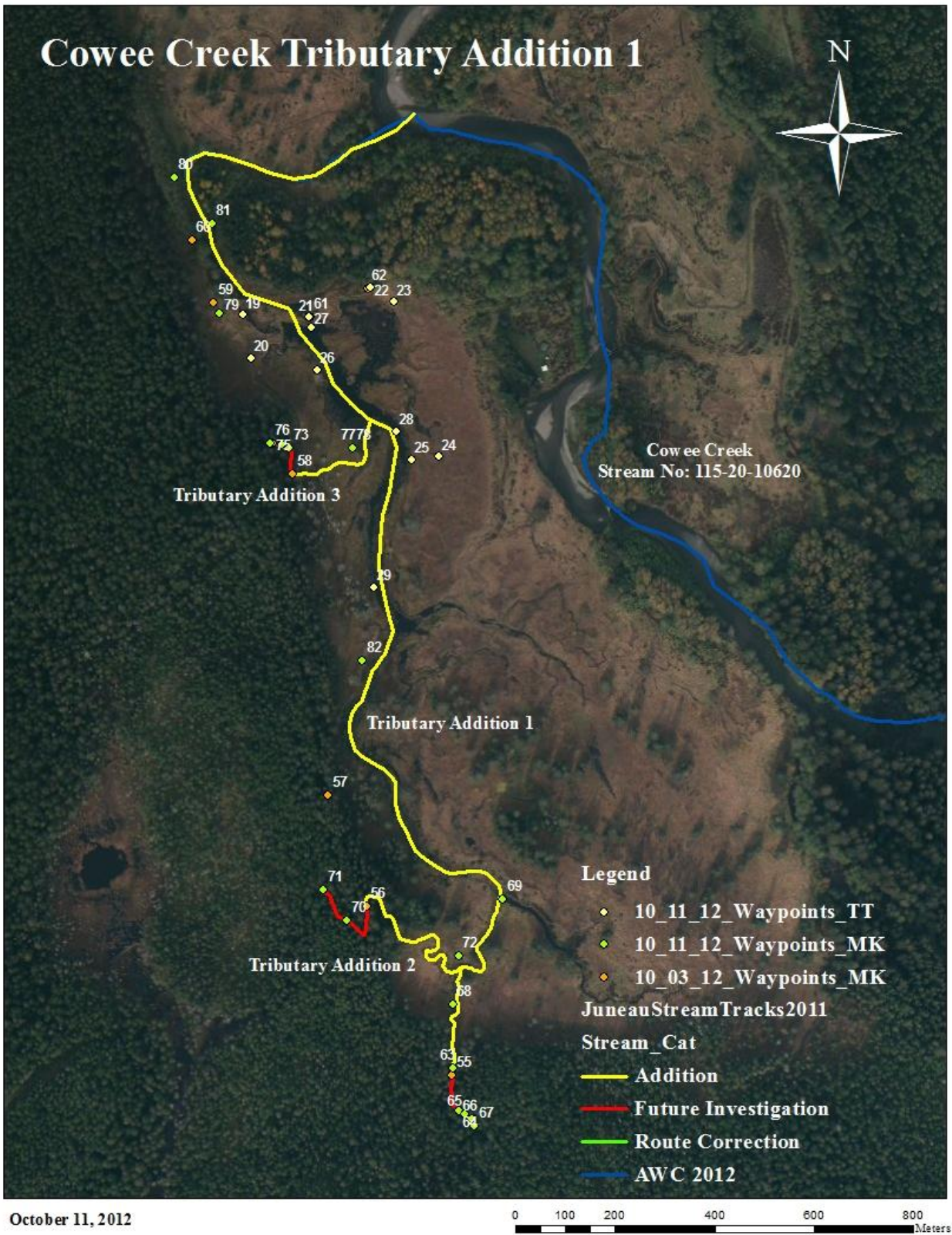


Figure 1. Map of Cowee Creek Tributary Addition 1.